

KANCHAVELI, G.I., prof.

Anniversary of Academician L.P.Kalandadze. Zashch.rast.ot vred.i
bol. 4 no.3:59 My-Je '59. (MIRA 13:4)
(Kalandadze, L.P., 1899--)

KANCHAVELI, G. I.

"More Efficient Management of the Fight Against Mosquitoes in Different Malaria Areas of Georgia During the Period of Eradication of Malaria."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Institute of Malaria and Medical Parasitology (Tiflis)

KANCHAVELI G. I. and GUGUSHVILI, G. K.

"Resistance of the Local Anopheles Maculipennis Population to Organic Chlorine Preparations in the Georgian SSR."

Tenth Conference on Pararitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Georgian Scientific Research Institute for Medical Parasitology and Enteric Infections

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000620320020-6

POKROVSKIY, S.N.; KANCHAVELI, G.I.

Malaria in Togo. Med.paraz.i paraz.bol. no.5:608-612 '61.
(MIRA 14:10)
(TOGO--MALARIA)

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000620320020-6"

KANCHAVELI, G.I.

Walnut culture with regard to the soil and climatic conditions of
vertical zones in Georgia. Trudy Inst. lesa AN Gruz, SSR 10;
115-128 '62.
(MIRA 17:3)

KANCHAVELI, G.I.

Materials on the spread of English walnut and other walnut species into the upper mountain zone of Georgia. Trudy Inst. lessa All Gruz.SSR 12:145-155 '63.

(MIRA 1S:2)

KANCHAVELI, K.G.

Materials on a study of diatoms of eastern Georgia [in Georgian with summary in Russian]. Zam. po sist. i geog. rast. no.20:4-12 '58.
(MIRA 12:9)

(Gori region--Diatoms)

LA. CHAVILLE, 1961

New species of Diatoms for Georgia. Part. p. sist. i. leg.
rast. no. 22-3-7 (1961) (NIVA L.M.)
(Georgia-Diatoms)

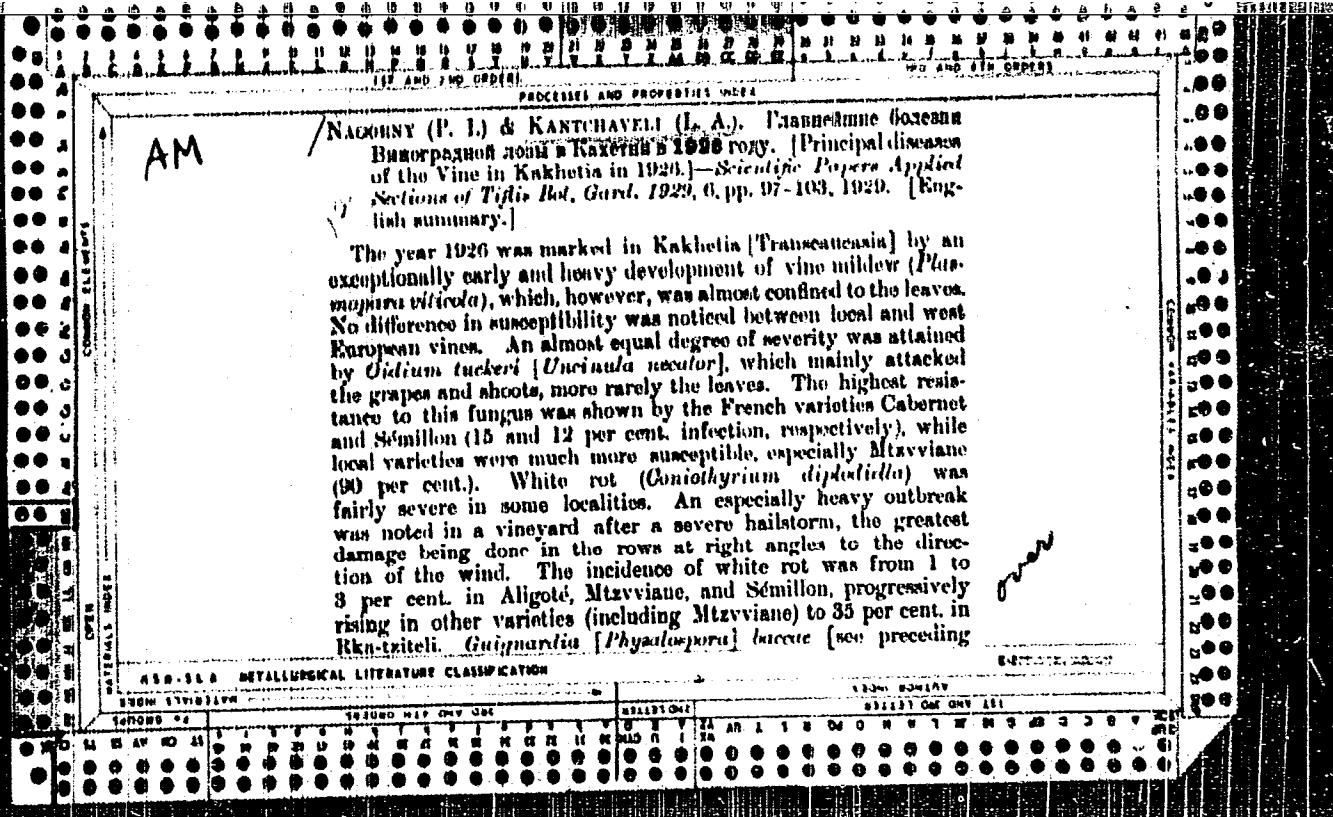
KANCHAVELI, K.G.

Some new species of diatom flora in Georgia. Sam. po sist. i geog.
rast. no.23:15-18 '63. (MIRA 17:12)

KANCHAVELI, K.G.

Materials on the diatoms of the bodies of water in eastern
Georgia. Trudy Tbil.bot.inst. 23:3-53 '64.

(MIRA 18:4)



NAGORNY (P. I.) & KAS'YANOV (KASTAVAEV) (L. A.).—Грибы, собранные на Чайном кусте на чайнических плантациях в 1928 году. [Fungi collected on the Tea bush on the Tschakva plantations in 1928.] — Bull. Inst. of Exper. Agric. of Georgia, Tbilisi, 1929, 2, pp. 33-40, 1929. [German summary.]

A.M.

This is a report on the fungal diseases of the tea bush which were observed during the further survey made in 1928 of the Tschakva tea plantations [R.A.M., VIII, p. 814]. In addition to the species described in the former paper, it contains notes on the following parasitic fungi, brief descriptions of which are given. An undetermined species of *Leptographia* which, on living twigs, forms globular, at first immersed and later erumpent, perithecia with a wort-like ostiole, the asci are clavate, with a short pedicel, and measure 50 to 70 by 11 to 11.5 μ , the ascospores, eight in number, are spindle-shaped, slightly concave on the inner side, light olive-coloured, with five transverse septa, and measure 19 to 23 by 4 to 4.5 μ . Paraphyses are present. This species differs from *L. camelliae* Cooke & Massal [Massal] in its habitat and in the number of spores contained in the ascus and their dimensions, and from *L. camelliae-japonicae* Siemasko in the shape of the ascus, their size, the number of septa in the spores, and some other minor details. It usually occurs in association with *Mycosphaerella azalei* K. Hawk., the latter forms immersed, later erumpent, globular or apphanate perithecia, 80 to 100 μ in diameter, the eight ascospores are ellipsoidal, slightly concave on the inner side, two-

feuled, and measure 12 to 15 by 3.5 to 5.5 μ , and the ascospores 30 to 40 by 10 to 12 μ in diameter. Although Petch considers this species as a saprophyte, in the Tschakva plantations it was only found on living twigs and leaves. *M. theae* Hara was found (in association with *Pogonidium theae*) on living tea leaves, on which it forms rounded or irregular, frequently coalescing, mostly marginal spots, dirty white on the upper and brown on the under side. *Phoma braueri* Sacc., on living and dying twigs, forms dispersed, globular, black pyrenia, 110 to 140 μ in diameter; the spores are ellipsoidal or ovoid, hyaline or faintly smoke-coloured, continuous, and measure 5 to 7 by 2.5 μ . *M. roydiana theae* Petch [ibid., iii, p. 4, viii, p. 470] forms, on living leaves, irregular amphigaeous spots, with a conspicuous dark margin. The pyrenia are immersed, appplanate spherical, 200 to 300 μ in diameter, the spores are short spindle-shaped, of a delicate olive colour, and measure 21 to 24 by 5 to 6 μ . *Cercosporella theae* [ibid., iii, p. 4, viii, p. 138] forms on living leaves rounded, white spots with an almost black margin, and measuring up to 3 mm. in diameter; the conidiophores are short and simple, the spores are long-oblate, pluriseptate, straight or bent, light olive-coloured, and measure 70 to 85 by 2.5 to 4 μ .

(*Thymus* spp.), an abundant grass cover, and thick undergrowth. In this zone over 400 species of fungi were recorded during the investigation, of which the following are considered to be the most dangerous forest parasites encountered: *Polyporus* [*Fomes*] *fomentarius* and *P.* [*F.*] *ignobilis* (15 per cent. of all species of trees infected), and *Urticaria dubium* Jaer., on oak (incidence up to 15 per cent.).

(2) The second zone extends from 400 to 1,800 m. and consists chiefly of beech (mainly *Fagus orientalis*) with a small admixture of other broad-leaved species; this zone yielded over 300 species of fungi, and 15 to 25 per cent. of the beeches were infected with one or more of the following fungi: *F. fomentarius*, *F. ignobilis*, *Dacryodes* [*Trametes*] *gibbosa*, *Armillaria mellea*, and *Pholiota squarrosa*.

(3) The third zone, from 1,800 to 2,400 m., consists of two different types of association, one with a predominance of birch, and the other of pines (chiefly *Pinus sylvestris* and *P. montana*). In the latter 200 species of fungi were recorded, among which the following are considered to be the most important: *Hendersonia acicula* and *Lophodermium pinastri* on the needles (up to 10 per cent. infection), and *Polyporus pinicola*, *Stereum pruri*, and *Trametes pini* on the boles (about 10 per cent. infection).

KANGITAVELI, L. A.

Def. at
Tbilisi State U

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000620320020-6"

KANCHEVELI, Levan Alekseyevich; Eristavi, Ye. M.

"Virus Chlorosis in Georgia"

(printed in Substance of the Twelfth Scientific Session of the Department of Agricultural Sciences, Academy of Sciences Georgian SSR, Tbilisi, 1942)

SOURCE: Soobshcheniya Akademii Nauk, Gruzinskoy SSR, Vol XII, No 1, 1951

KANCHAVELI, L. A.

Kanchavelli, L. A. and Gikashvili, K. G.- "Data for studying 'mal'secco' or the drying of lemon trees in the Georgian SSR," Trudy In-ta zashchity rasteniy (Akad. nauk Gruz. SSR), Vol. V, 1948, p. 1-43, - Biblio: 23 items

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

KANCHAUVILI, L. A.

Kancharayeli, L. A. and Isarlishvili, S. Ye.- "A new fungus disease of the pink-colored geranium called Sphaceloma pelargonii sp. nov.", Trudy Im-ta z shchity rasteniy (Akad. nauk Gruz. SSR), Vol. V. 1948, p. 153-75, - (In Georgian, resume in Russian), -
Bibliog: 17 items

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

1. KANCHAVELI, LA., DONADZE, V.Z.
2. USSR (600)
7. "Concerning the Question of Transmission of 'Lemon Drying' Disease--Phoma tracheiphila (Petri) Kantsch, et Gikasch--by the Vegetative Path", Trudy In-ta Zashchity Rasteniy, AN Gruz. SSR (Works of the Institute of Plant Protection, Acad Sci Georgian SSR), Vol 7, 1950, pp 41-50.
9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-132. Unclassified.

1. KANCHAVELI, L. A., MELIYA, N. S.
2. USSR (600)
3. "Unknown Representatives of the Genus Phyllosticta in the Microflora of the Georgia SSR", Trudy In-ta Zashchity Rasteniy AN Gruz. SSR (Works of the Institute of Plant Protection of the Acad Sci Georgian SSR), Vol 7, 1950, pp 233-242.
4. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-132. Unclassified.

KANCHAVELI, L.A.; KIPIANI, R.Ya; GIKASHVILI, K.G.

Tagged atom method of investigating the relationship between the incitant (*Phoma tracheiphila*) of mal secco and the host plant. Soob. AN Gruz.SSR 16 no.7:549-556 '55. (MIRA 9:2)

1.Deystvitel'nyy chlen Akademii nauk Gruzinskoy SSR (for Kanchaveli).2.Akademiya nauk Gruzinskoy SSR, Institut zashchity rasteniy, Tbilisi.
(Radioactive tracers) (Lemon--Diseases and pests)

KANCHAVELI, L.A.

Mycological and phytopathological research in the Georgian S.S.R.
Trudy VIZR no.23;272-278 '64. (MIRA 19:2)

KANCHAVELI, N.

"Effect of Soil Fumigation on Some Physiological Processes in
A Grape Vine." Cand Biol Sci, Publishing House of the Acad Sci
Georgian SSR, Tbilisi, 1953. (RZhBiol, No 5, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

KANCHELI, A.I.

AID P - 2479

Subject : USSR/Medicine

Card 1/2 Pub. 37 - 8/19

Authors : Kancheli, A. I., Dotsent, Kovziridze, Z. Z., Kand. Med. Sci.

Title : Hygienic principles for the dates of the beginning and end of the academic year in the climatic conditions of the southern regions of the USSR.

Periodical : Gig. i san., 7, 33-36, J1 1955

Abstract : An account of the authors' study of microclimatic conditions in schoolrooms and of their effect on the state of health and the efficiency of school-children. These investigations were carried out in the schools of Tbilisi at the beginning and the end of the academic years 1951, 1952 and 1953. The results of these observations demonstrate that the school-year in the South of the Soviet Union must begin not before Sept. 15 (instead of Sept. 1) and end fifteen days later than in the Northern regions. Diagrs.

AID P - 2479

Gig. 1 san., 7, 33-36, J1 1955

Card 2/2 Pub. 37 - 8/19

Institution: Chair of School Hygiene, Tbilisi Medical Institute

Submitted : May 15, 1954

KAUCHIKI, A. I.

"On the problem of hygienic evaluation of newly erected school buildings under conditions of the southern climate."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

KANCHELI, B. A.

Cand Geol-Min Sci - (diss) "Geological structure of the north-eastern part of shale-bearing Dagestan." Tbilisi, Pub. Academy of Sciences Georgian SSR, 1961. 25 pp; (Geology Inst of the Academy of Sciences Georgian SSR); 150 copies; free; (KL, 7-61 sup, 225)

33393 KANCHELI, N. M.

Opyt. raboty. burovых brigad P.S. Chitash vili A.E. Ambaryana. Tbilisi,
Tekhnika da shroma" 1954. 15, s. 22sm (Kavkazskiygeol. trest lo razvedke
ugley i goriachikh slantsev Kavkazuglegeologiya Opyt raboty novatorov geol.
sluzhby). 800 ekz 20 k. (54-57795) p.

ANDRONIKASHVILI, Eleuter Luarsabovich; GAMTSEMLIDZE, Georgiy
Aristoyevich; KANCHELI, Otar Arkhipovich; MAMALADZE, Yuriy
Georgiyevich; KUZNETSOVA, Ye.B., red.; KRYUCHKOVA, V.N.,
tekhn. red.

[Laboratory works on physics; mechanics, molecular physics,
electricity, and magnetism] Laboratornye raboty po fizike;
mekhanika, molekuliarnaya fizika, elektrичество i magne-
tizm. Pod red. E.L.Andronikashvili. Moskva, Gos. izd-vo
fiziko-matem. lit-ry, 1961. 182 p. (MIRA 15:3)
(Physics--Laboratory manuals)

VERDIYEV, I.A.; KANCHELI, O.V.; MATINYAN, S.G.; POPOVA, A.M.; TER-MARTIROSYAN, K.A.

Complex asymptotic expressions for the amplitudes of inelastic processes, and some singularities in the plane of angular momentum. Zhur. eksp. i teor. fiz. 46 no.5:1700-1714 My '64.
(MIRA 17:6)

1. Institut teoreticheskoy i eksperimental'noy fiziki, Institut fiziki AN Gruzinskoy SSR i Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta.

ACCESSION NR: AP4037583

S/0056/64/046/005/1700/1714

AUTHORS: Verdiyev, I. A.; Kancheli, O. V.; Matinyan, S. G.; Popova, A. M.; Ter-Martirosyan, K. A.

TITLE: Complex asymptotic expressions for inelastic processes amplitudes and singularities in the angular momentum plane

SOURCE: Zh.eksper. i teor. fiz., v. 46, no. 5, 1964, 1700-1714

TOPIC TAGS: asymptotic solution, inelastic scattering, Regge pole, moving pole method, high energy particle

ABSTRACT: A previously developed momentum integration technique for a small number of particles (ZhETF v. 46, 568 and 1295, 1964) is used to calculate the total cross sections for the production of n particles (or n groups of particles having a low particle energy in the c.m.s. of each group) and the energy distribution of the particles in high-energy inelastic collisions. The values previously obtained

Card 1/3

ACCESSION NR: AP4037583

for the most important "genuinely inelastic" collisions, corresponding to the contribution of an isolated vacuum Regge pole, are used to determine the asymptotic amplitudes. It is assumed that all particles are identical and have no isospin. It is shown that for any inelastic process there is a definite particle momentum configuration making the most significant contribution to the amplitude. The distributions of these particles with respect to the logarithms of their momenta are determined and are found to depend on the behavior of the vertex functions. Unitarity in the s-channel for the zero-angle elastic-scattering amplitude is shown to be violated if these vertex functions do not decrease with decreasing squares of the reggeon momenta. The dependence of both halves of the s-channel unitarity condition for elastic scattering at nonzero angle on the momentum transfer is investigated, and it is shown that the right half of this condition does not represent the Regge asymptotic amplitude corresponding to the vacuum pole if the terms corresponding to the production of an arbitrary number of particles are taken into

Cord 2/3

ACCESSION NR: AP4037583

account. The momentum-transfer dependence can be duplicated only if all asymptotic contribution from all the branch-point singularities on the right of the vacuum point, condensing toward the point $j = 1$, are taken into account. Orig. art. has: 48 formulas.

ASSOCIATION: Institut teoreticheskoy i eksperimental'noy fiziki (Institute of Theoretical and Experimental Physics); Institut fiziki Akademii nauk Gruzinskoy SSR (Institute of Physics, Academy of Sciences, Georgian SSR); Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta (Nuclear Physics Institute, Moscow State University)

SUBMITTED: 03Sep63

DATE ACQ: 09Jun64

ENCL: 00

SUB CODE: NP

NR REF Sov: 004

OTHER: 003

Card 3/3

L 16507-65
ACCESSION NR: AP5000334

term by the strong interactions leads to the reappearance in the renormalized amplitudes of all the terms that are at first order of perturbation theory, except that some of these terms are not renormalized at all compared with the Born term. Quantitative relations are given for the account of the strong-interaction form fac-

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ASSOCIATION: None

SUBMITTED: 20Apr64

ENCL: 00

SUB CODE: NP

NR REF Sov: 002

OTHER: 011

Cord 2/2

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000620320020-6"

GEDALIN, E.V.; KANCHELI, O.V.; LAPERASHVILI, L.V.; MATINYAN, S.G.

Anomalous thresholds and the mass spectrum of elementary particles.
Fiz. chast. vys. energ. no.1:30-32 '65.
(MIRA 18:12)

L 30716-66	EWT(m)/T/EW(m)-2	
ACCESSION NR:	AP5014238	UR/0386/65/001/003/0025/0040
AUTHOR:	Gedalin, E. V.; Kancheli, O. V.; Matinyan, S. G.	44,45 JH B
TITLE:	Renormalization of baryon vector current by destruction of SU(6) symmetry	
SOURCE:	Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniya, v. 1, no. 3, 1965, 35-40	
TOPIC TAGS:	particle physics, baryon	
ABSTRACT:	The vector constants of weak baryon currents are not renormalized in the first approximation of destruction of SU(3) symmetry. In the second order with respect to this destruction, renormalization takes place which is associated with an increase in the number of independent amplitudes. The authors present an analog of the Ademollo-Gatto theorem (M. Ademollo, R. Gatto, Phys. Rev. Lett., 13, 264, 1964) in SU(6) symmetry. Orig. art. has: 7 formulas.	
ASSOCIATION:	Institut fiziki Akademii nauk Gruzinskoy SSR (Institute of Physics, Academy of Sciences Georgian SSR)	
SUBMITTED:	29Mar65	ENCL: 00
NO REF Sov:	002	OTHER: 002
SUB CODE: NP		
Card 1/1		

KANCHELI, O.V.; MATINYAN, S.G.

Weak meson interaction and regularization. Fiz. chast. vys.
(MIRA 18:12)
energ. no.1:37-40 '65.

L 4886-66 EHT(m)/T/EHT(m)-2

ACCESSION NR: AP5021140

UR/0386/65/002/001/0009/0013

AUTHOR: Gedalin, E. V.; Kancheli, O. V.; Matinyan, S. G.

TITLE: Parity conserving amplitudes of hadron decays of baryons in the $\tilde{U}(12)$ symmetry scheme

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, Pis'ma v redaktsiyu. Prilozheniya, v. 2, no. 1, 1965, 9-13

TOPIC TAGS: parity principle, elementary particle, baryon, hyperon, meson

ABSTRACT: This is a continuation of earlier work by the authors (ZhETF Pis'ma v redaktsiyu v. 1, no. 3, 35, 1965), where they reported the results of application of the $\tilde{U}(12)$ symmetry to hadron decays of hyperons. In the present paper they consider another possibility for parity-conserving amplitudes whereby the spurion enters on an equal basis as the real particles with respect to the transformation properties of $\tilde{U}(12)$ symmetry. The lowest representations of $\tilde{U}(12)$ symmetry, containing a CP-even scalar, are in this case 4212 and 5040, and are used to describe the weak spurion H. An expression is derived for the CP-invariant parity-conserving matrix element of hadron decays and a connection is obtained between the parity-conserving amplitudes of hadron decays of barions and the invariant functions of this matrix element. When the latter are eliminated, the result is, in

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L 4986-66

ACCESSION NR: AP5021140

SD

addition to the Gell-Mann--Rosenfeld triangle relation, also new relations between the parity-conserving amplitudes of hadron decays of the hyperons. The relation between Λ , Ξ , and Σ strongly contradicts the experimental data, in spite of the great inaccuracy of the latter, and it is concluded on the basis of this and the earlier result that within the framework of $U(12)$ symmetry there is no satisfactory description of the parity-conserving amplitudes of hadron decays of hyperons. It is possible that this circumstance is closely connected with the recently noted contradiction between $U(12)$ symmetry and experiment in polarization phenomena. "We are grateful to Ya. A. Smorodinskii for interest in the work and for discussions."

Orig. art. has: 4 formulas.

ASSOCIATION: Institut fiziki Akademii nauk Gruzinskoy SSR (Physics Institute,
Academy of Sciences, Georgian SSR)

SUBMITTED: 17 May 65

ENCL: 00

SUB CODE: GP, NP

NR REF Sov: 001

OTHER: 009

Cord 2/2

L 2751-66 EWT(m)/T/EWA(m)-2

ACCESSION NR: AP5024346

UR/0367/65/002/002/0315/0320

AUTHOR: Kancheli, O. V.; Laperashvili, L. V.; Natinyan, S. G.

TITLE: Schwinger's broken W_3 symmetry

SOURCE: Yadernaya fizika, v. 2, no. 2, 1965, 315-320

TOPIC TAGS: particle symmetry, unitary symmetry, group theory, baryon, meson, particle physics

ABSTRACT: The dynamic aspects of the Schwinger model are used for deriving expressions relating meson-baryon coupling constants and scattering amplitudes where disruption of W_3 symmetry [$W_3 = SU_1(3) \otimes SU_2(3)$] is introduced by interaction between the fields of the fermion and boson triplets:

$$f^1(\psi, \bar{\psi}_a V^a + \bar{\psi}^a \bar{V}^a), \quad a = 1, 2, 3$$

A detailed analysis is given based on an example with splitting of the baryon masses. A relationship is found between W_3 symmetry and $SU(3)$ symmetry in which the octet is perturbed by a unitary singlet. It is concluded that W_3 symmetry may be considered a higher form than $SU(3)$ symmetry where the singlet is separated from

Card 1/2

L 2751-66
ACCESSION NR: AP5024346

3

the octet. Orig. art. has: 3 figures, 8 formulas.

ASSOCIATION: Institut fiziki Akademii nauk Gruzinskoy SSR (Physics Institute,
Academy of Sciences, Georgian SSR) 44,55

SUBMITTED: 06Feb65

ENCL: 00

SUB CODE: NP, MA

NO REF Sov: 002

OTHER: 014

Card 2/2

L 45813-66 EWT(m)/T

ACC NR: AR6023262

SOURCE CODE: UR/0058/66/000/003/B020/B020

AUTHOR: Kancheli, O. V.; Matinyan, S. G.

28
B

TITLE: Weak interaction of mesons^{1/4} and peratization

SOURCE: Ref zh. Fizika, Abs. 3B187

REF. SOURCE: Sb. Fiz. chastits vysok. energiy. No. 1. Tbilisi, Metsniyereba, 1965,
37-40

TOPIC TAGS: meson, weak nuclear interaction, nuclear spin, pion scattering, strong
nuclear interaction

ABSTRACT: For weak interaction of mesons with zero spin, due to exchange of a charged vector meson, the authors consider the peratization procedure of Feinberg and Pais (RZhFiz, 1964, 5B229; 1964, 6B218) with summation of the most diverging terms of the ladder diagrams. It is shown that for the "allowed" peratized amplitude of meson-meson scattering, all the contact terms drop out in this case. It is noted that allowance for strong interactions can make a contribution to the peratized amplitude.
L. Galkina. [Translation of abstract]

SUB CODE: 20

Card 1/1 hs

KANCHELI, V.A., arkitektor

Technical and economic evaluation of plans for one-story industrial buildings on a point system. Prom. stroi. [401'41] no.4! (MIRA 16:3)
29-30 Ap '63.

(Industrial buildings)

KANCHENKO, D. D. (Dushanbe)

"Experience in Mass Measures for Reducing Infection of the Population with Ascaridosis"

Report presented at the Scientific Conference of the Dushanbe Inst. of Epidemiology, Hygiene, Bacteriology, Virology and Parasitology, held in Dushanbe, December 1962, (Zdravookhraneniye Tadzhikistana, Dushanbe, No. 3, 1963 pp 40-41).

KANCHENKOV, D.D.

Characteristics of zonal distribution of ascariasis and the
results of its planned control in Gissar District. Zdrav.
Tadzh. 10.no.1:12-14 '63. (MIRA 16:7)

1. Iz Tadzhikskoy respublikanskoy sanitarno-epidemiologicheskoy
stantsii (glavnnyy vrach Kh. B. Berdyyev).
(GISSAR DISTRICT—ASCARIDS AND ASCARIASIS)

KANCHEV, PETKO

Improvement and Cultural Conditions of the Working People in Our
Country. In the Bulgarian Heavy Industry, 3:1:Mar 55

MANCHEV, Petko

Bright prospects. Durvomebel prom 5 no.5:1-2 S-0 '62.

KANCHEV, P.

Heavy industry and improvement of material and cultural conditions of working people in our country. p. 1.
TEZHKA PROMISHLENOST. (Vol. 4, No. 3, 1955)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,
Sept. 1955, Unci.

L 40308-56 ENT(m)/EXP(w)/T/EXP(t)/RTI IJP(c) JS/HJ/JD

ACC NR: AP6017308 (A)

SOURCE CODE: UR/0126/66/021/005/0762/0769

AUTHORS: Mirkin, I. L.; Kancheyev, O. D.

ORG: TsNIITMASH

TITLE: X-ray structural parameters and tensile strength of $\frac{\text{Ni}}{27} \frac{\text{Cr}}{27} \frac{\text{Al}}{27}$ alloys

SOURCE: Fizika metallov i metallovedeniye, v. 21, no. 5, 1966, 762-769

TOPIC TAGS: chromium containing alloy, aluminum containing alloy,
metal property, plasticity, hardness, nickel base alloy

ABSTRACT: The strength parameters of three dispersion hardening Ni--Cr--Al alloys having three relationships between the crystal lattice periods of the matrix and the Ni_3Al phase (i.e., $\Delta a \gtrless 0$ where $\Delta a = a_{\gamma} - a_{\gamma'}$) were investigated. The Ni, Cr, and Al composition of the three alloys was 82.1, 9.6, 8.3(I); 76.0, 16.8, 7.2(II), and 65.5, 27.6, and 6.9%(III) respectively. The mechanical properties of the alloys at 20 and 700C are shown in Fig. 1. In addition to the results shown in Fig. 1 it was found that: hardness increases with increasing Cr content but seems independent of Δa ; yield stress does not seem to depend on Δa ; plasticity is a function of Δa and has a maximum at $\Delta a \approx 0$; long duration strength is maximum for $\Delta a \approx 0$. S. A. Yukanova, M. S. Blanter, and Yu. A. Sorokina took part in the work.

UDC: 539.4

Card 1/2

Bc

A-3

Catalytic transformation of heterocyclic compounds. XI. Mechanism of simultaneous catalytic dehydrogenation of furan and formamide (or hydroformylation) with sec. and tert. amines. J. E. Vassar (and O. A. Yamamoto) (J. Gen. Chem. Japan, 1970, 93, 153-159).—In 1,4-dihydrofuran (DHF) solution, heated on Al_2O_3 at 400° yield a polyisopropylene (II) (with NEt_3 , 56; with NHEt_2 , 29; and with NMe_2 , 9% yield). The reactions are: (I) $\text{H}_2\text{N}-\text{NEt}_3 \rightarrow \text{OH}(\text{CH}_2)-\text{NH}_2$; (I) $(+\text{H}_2\text{O}) \rightarrow \text{OH}(\text{CH}_2)-\text{NH}_2$; (II) $+ \text{H}_2\text{O}$. Under the same

conditions (I) alone yields a variety of products, of which $\text{C}_6\text{H}_5\text{CH}_2\text{NH}_2$ is identified. R. T.

ASA-11A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED

SERIALIZED

INDEXED

FILED

SEARCHED AND SERIALIZED

INDEXED

FILED

SEARCHED

SERIALIZED

INDEXED

FILED

KANCHEYeva, O. A.

15-57-3-3504

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3,
p 149 (USSR)

AUTHORS: Turkel'taub, N. M., Kancheyeva, O. A.

TITLE: The Composition of Gas Expunged From the Core During
Thermal-Bitumen Studies (O sostave gaza, desorbiruyu-
mogo iz kerna pri termobitumnoy s"yemke)

PERIODICAL: Tr. Vses. n.-i. geol-razved. neft. in-ta, 1955, Nr 7,
pp 234-239

ABSTRACT: The thermal-bitumen and pyrogenic studies proposed
earlier forecast the expelling of gas at 250° and 500°
respectively. The composition of the gases separated
in these studies was investigated, and the author indi-
cates the technique used. He established that during
heating of samples to the indicated temperatures carbon
monoxide and carbon dioxide formed, because of decom-
position of organic material. The use of thermal-bitu-
men and pyrogenic surveys is, however, recognized as

Card 1/2

Kancheva, O. A.
USSR Analytical Chemistry - Analysis of Organic Substances

6-3

Abs Jour : Referat Zhur - Khimiya, No 3, 1957, 8566

Author : Turkel'taub, N. M., Porshneva, N. V., and Kancheva, O. A.
Inst : Not given
Title : Chromatographic Gas Analyser

Orig Pub : Zavod. laboratoriya, 1956, Vol 22, No 6, 735-738

Abstract : A portable instrument for the analysis of gas mixtures is described. The analyser makes possible the determination of the total combustible gas content as well as the individual determination of H₂, CO, CH₄, C₂H₆, C₃H₈, C₄H₁₀, and C₅H₁₂. The separation of the gases is carried out chromatographically with a column packed with activated grade AG and KAD finely-porous charcoal which practically does not adsorb H₂, has a very low adsorptive capacity for CO, and a much more marked adsorptive capacity for hydrocarbons. The latter are separated by partition chromatography on grade AESK silica gel impregnated with nitrobenzene (30% of the weight of the packing). Air is used as the carrier gas. The recording of the fractions is carried out with a thermochemical gas analyser (Faynberg,

FROM OTHER SOURCES

Card 1/2

-44-

Card 2/2

-45-

TURKEL' TAUB, N.M.; SHCHVARTSMAN, V.P.; KANCHEYEVA, O.A.; LATUKHOVA, A.G.;
KOLYUBYAKINA, A.I.

Use of thermodynamic apparatus in gas surveys. Trudy VNIGNI no.11:
260-272 '58. (MIRA 13:1)
(Gases--Analysis) (Geochemical prospecting)

S/032/63/029/001/002/022
B101/B186

AUTHORS: Zhukhovitskiy, A. A., Turkel'taub, N. M., Kancheyeva, O. A.,
Naumova, V. V., and Ryabchuk, L. N.

TITLE: Stepwise chromatography

PERIODICAL: Zavodskaya laboratoriya, v. 29, no. 1, 1963, 14 - 18

TEXT: A simplified form of chromatography is suggested for industrial analyses. Horizontal steps are obtained instead of peaks by introducing in the column large amounts of the mixture to be separated. Complete separation of the substances is not necessary as the height of the steps is such that the components and their concentrations can be determined with the same accuracy as on the basis of the peaks in complete separation. The conditions for the formation of steps are derived from the equation for the separation coefficient and from the dependence of the concentration on diffusion, the Henry coefficient, and the Kramp function. A column twice as long as that used in detection chromatography is needed, and the Henry coefficient must be much greater than unity. Complete separation of the steps is not necessary, however, for mixtures

Card 1/2

Stepwise chromatography

S/032/63/029/001/002/022
B101/B186

having only 2-3 components. Examples are given for the separation of hydrocarbon mixtures on brick powder impregnated with vaseline oil or hexadecane, or on Al_2O_3 . Columns of 300-340 cm length or a capillary of 93 m length wetted with hexadecane were used. There are 5 figures.

ASSOCIATION: Institut yadernoy geofiziki i geokhimii (Institute of Nuclear Geophysics and Geochemistry)

Card 2/2

GUBAREV, Ye.M.; LUBENETS, Ye.K.; KANCHUKH, A.A.; GALAYEV, Yu.V.

Fractionization and composition of certain lipid fractions of
diphtheria bacilli. Biokhimiia, Moskva 16 no.2:139-145 Mar-Apr
1951. (CLML 20:?)

1. Department of Biochemistry, Rostov Medical Institute.

ROZHKOVA, A.A.; KANCHUKH, A.A.; ZAV'YALOVA, N.K.; PUSTOVALOV, V.L.

Production and properties of cephalosporin. Report No.1: Morphological characteristics and culture properties of the fungus Cephalosporium.
Antibiotiki 4 no.6:13-18 N-D '59. (MIRA 13:3)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy protivochumnyy institut.
(ANTIBIOTICS chem.)

ROZHKOVA, A.A.; KANCHUKH, A.A.; ZAV'YALOVA, N.K.; PUSTOVALOV, V.L.

Separation, purification, and antibacterial properties of cephalosporin. Antibiotiki 5 no.1:9-14 Ja-F '60. (MIRA 13:7)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy protivochumnyy institut.

(CEPHALOSPORIN)

KANCHUKH, A.A.

Microdetermination of total nitrogen by the ninhydrin method,
Biokhimiia 26 no.3:393-398 My-Je '61. (MIRA 14:6)

1. Research Anti-Plague Institute, Rostov-na-Don.
(NITROGEN) (NINHYDRIN REACTION)

KANCHUKH, A.A.; ZAPLATINA, S.I.; BASOVA, N.N.

Nucleoproteins of a virulent strain of the plague microbe.
Ukr. biokhim. zhur. 34 no.2:176-186 '62 (MIRA 16:11)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy protivochumnyy institut.

KANCHUKH, A.A.; LOSEVA, N.L.; NOVOSEL'TSEV, N.N.; KOLESNIKOVA, L.I.;
GUBAREV, Ye.M. [Hubarev, E.M.] [deceased]

Distribution of catalase in fractions of soluble plague microbe
antigens. Ukr. biokhim. zhur. 35 no.5:700-708 '63.

(MIRA 17:5)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy prot'vochumnyy
institut.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000620320020-6

KANCHUKH, Sh., POGOSTIN, S.

Bilateral photograph of a working day in the chemical industry.
Sots, trud 4 no.6:87-91 Je '59. (MIRA 12:8)
(Chemical industries--Labor productivity)

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000620320020-6"

KALACHEV, A.; KANCHUKH, Sh.

Applying an hourly bonus wage system at the Shcheklovo Vitamin Plant.
Biul.nauch. inform.; trud i zar. plata 3 no.12:20-23 '60,
(MIRA 14:3)

(Shchelkovo (Moscow Province)---Vitamins)
(Shchelkovo (Moscow Province)---Bonus system)

KANCHULH, Sh. F.

Kanchulh, Sh. F. "On a synthetic index for calculating the productivity of equipment", (In connection with the article of Ya. V. Granovskiy, entitled "Calculating the productivity of equipment", in the periodical Gidroliz. prom-st' SSSR, 1948, No. 1), Gidroliz. prom-st' SSSR, 1948, No. 5, p. 14-16.

SO: U-2688, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

KANCHUKH, Sh.F., kandidat ekonomicheskikh nauk.

Industrial production of vitamins in the United States. Khim.
nauka i prom. 1 no.4:466-468 '56. (MILB 9:11)
(UNITED STATES--VITAMINS)

KANCHUKH, Sh.F.; GOGOLEVA, M.S.

Economic reasons for the cultivation of the rose Rosa rugosa.
Trudy VNIVI 8:119-124 '61. (MIRA 14:9)

1. Ekonomicheskiy i sel'skokhozyaystvennyy otdeley Vsesoyuznogo
nauchno-issledovatel'skogo vitaminnogo instituta.
(Roses)

KANCHUKH, Sh. V.; MOROZOVA, G. N.

Production and use of vitamin C abroad; survey of literature.
Vitaminny no. 5:23-35 '59.
(MIRA 14:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy vitaminnyy institut.
(ASCORBIC ACID)

PERSHIN, G.N., prof.; KRAFT, M.Ya., prof.; ROZENTUL, M.A., prof.;
POZHARSKAYA, A.M., starshiy nauchnyy sotrudnik;
MILOVANOVA, S.N., starshiy nauchnyy sotrudnik; BORODINA, G.M.,
starshiy nauchnyy sotrudnik; MASLOV, P.Ye., starshiy nauchnyy
sotrudnik; IVANOVSKAYA, Ye.A., mladshiy nauchnyy sotrudnik;
ARONSON, P.Yu., mladshiy nauchnyy sotrudnik; KANCHUKH, Sh.F.;
SHEYER, A.A.; ZALIOPO, M.P., spetsialist po moyushchim sredstvam

Treatment of your hair with selenium sulfide soap. Izobr.
(MIRA 17:2)
i rats. no.12:32-33 '63.

1. Zaveduyushchiy laboratoriyyey khimioterapii infektsionnykh zabolevaniy Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta im. Ordzhonikidze (for Pershin).
2. Zaveduyushchiy laboratoriyyey metalloorganicheskikh soedineniy Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta im. Ordzhonikidze (for Kraft).
3. Zaveduyushchiy otdelom TSentral'nego kozhno-venerologicheskogo instituta (for Rozentul). 4. Zaveduyushchiy laboratoriyyey lekarstvennykh form Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta im. Ordzhonikidze (for Pozharskaya). 5. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut im. Ordzhonikidze (for Milovanova, Borodina, Ivanovskaya, Aronson). 6. Tsentral'nyy kozhno-venerologicheskiv institut (for Maslov).

*

KANCHUKOVSAYA, T.I., nauchnyy sotrudnik; KUZNITSOVA, V.A., nauchnyy
sotrudnik

Candidomycosis in the clinical aspects of pulmonary tuberculosis.
Pat., klin.i terap.tub. no.8:267-269 '58. (MIRA 13:7)

1. Iz L-go terapeuticheskogo otdeleniya (rukoveditel' - starshiy
nauchnyy sotrudnik A.M. Barenboym) Ukrainskogo nauchno-issledo-
vatel'skogo instituta tuberkuleza im. akad. F.G. Yanovskogo.
(TUBERCULOSIS) (MONILLIASIS)

KANCHURIN, A. Kh.

KANCHURIN, A. Kh.: "The pathogenesis of paralysis of the skeletal muscles in experimental poliomyelitis of 'cotton' rats." AcadMed Sci USSR. Moscow, 1956. (DISSERTATION FOR THE DEGREE OF CANDIDATE IN MEDICAL SCIENCE).

Knizhnaya letopis'
No 35, 1956. Moscow

KANCHURIN, A.Kh. (Moskva)

Physiopathology of spinal centers in experimental poliomyelitis
in cotton rats [with summary in English]. Pat.fiziol. i eksp.
terap. 1 no.1:48-54 Ja-F '58. (MIRA 12:1)

1. Iz laboratoriipatofisiologii virusnykh infektsiy (zav. - chlen-
korrespondent AMN SSSR prof. A.D. Ado) Instituta virusologii imeni
D.I. Ivanovskogo AMN SSSR (dir. - prof. P.N. Kosyakov)
(POLIOMYELITIS, physiol.

spinal center funct, in exper. polio. in rats)
(SPINAL CORD, physiol.

funct. centers in exper. polio. in rats)

KANCHURIN, A.Kh.

On some disorders of the brain stem in experimental poliomyelitis in cotton rats. Vop.virus. 4 no.4:434-438 Jl-Ag '59. (MIRA 12:12)

1. Laboratoriya patofiziologii virusnykh infektsiy Instituta virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva,
(POLIOMYELITIS, experimental)
(BRAIN STEM, pathology)

ADO, A.D.; KANCHURIN, A.Kh.

Allergenic properties of Fermi antirabies of vaccine. Vop.
virus. 5 no. 1:14-19 Ja-F '60. (MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(RABIES) (ALLERGY)

ADO, A.D.; ALEKSEYEVA, T.A.; KANCHURIN, A.Kh.; TITOVA, S.M. (Moskva)

Pathogenesis of influenza in the light of pathophysiological studies.
Vrach. delo no.6:108-115 Je '61. (MIRA 15:1)
(INFLUENZA)

KANCHURIN, A.Kh.

Antigenic properties of nerve tissues damaged by poliomyelitis viruses.
Vop. virus. 7 no.2:157-162 Mr-Ap '62. (MIRA 15:5)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(POLIOMYELITIS) (ANTIGENS AND ANTIBODIES)
(BRAIN)

KANCHURIN, A. Kh.

Allergic mechanisms of demyelinating processes in nerve tissue.
Vestn. Akad. med. nauk SSSR 18 no.4:42-49 '63 (MIRA 17:4)

1. Iz nauchno-issledovatel'skoy allergologicheskoy laboratorii
AMN SSSR.

ADO, A.D.; KANCHURIN, A.Kh.

Allergic encephalomyelitis and intermediate antigens of nerve
tissues infected with viruses. Sov. med. 27 no.1:56-66 Ja '64.

(MIRA 17:12)

l. Nauchno-issledovatel'skaya allergologicheskaya laboratoriya
(zav... prof. A.D. Ado) AMN SSSR, Moskva.

KRUPINA, T.N.; XANCHURIN, A.Kh.

Clinical immunological parallels in encephalomyelitis in children.
Zhur. nevr. i psikh. 65 no.7:961-967 '65. (MIRA 18:7)

1. Klinika nervnykh bolezney (zav. L.O.Badalyan) pediatriceskogo
fakulteta II Moskovskogo meditsinskogo instituta imeni Pirogova i
Nauchno-issledovatel'skaya allergologicheskaya laboratoriya (sav. -
prof. A.D.Adov) AMN SSSR,

SAFFA, Dezider, inz.; MRAZ, Alexander; KANCIR, Ondrej

New type converter station MR 59. Zel dop tech 11 no.8:224-227 '63.

KANCLER, B.

The Article "Production of Diesel Motors in the Uljanik Shipyard." p. 138.

BRODOGRADNJA. (Centralna uprava brodogradnje) Zagreb, Yugoslavia.
Vol. 9, no. 4, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

KANCLERZ, FELIKS.

Przewodnik po Warszawie. Warszawa, Kraj, 1952. 94 p.
(Guidebook of Warsaw. illus., maps, index).

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

XANCLER, F.

"Castle in Pieskowa Skala." P. 5,
(TURYSTA, No. 1, Jan. 1954, Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3,
No. 12, Dec. 1954, Uncl.

KANCLERZ, F.

By a road or around a square. p. 16.
No. 10, Oct. 1955. TURYSTA. Warsaw, Poland

So: Eastern European Accession. Vol 5, no. 4, April 1956

KANCLERZ, F.

An honorary and distinguished function. p. 7. TURYSTA Warszawa,
Poland Vol. 21, No. 12, Dec. 1955

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6,
June 1956

KANCLERZ, F.

KANCLERZ, F. A conference of conservators. p. 6, No. 11, Nov. 1956. Poland, Warszawa
Turysta

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

KANCLERZ, J.

KANCLERZ, J. 110/30-kv., 31.5-MVA distribution transformer; the largest exhibit at the 24th Poznan International Fair. p. 792.
Index to v. 31, 1955

Vol. 31, No. 12, Dec. 1955
PRZEGLAD ELEKTROTECHNICZNY
TECHNOLOGY
Poland

Scc: East European Accession, Vol. 5, No. 5, May 1956

KANCILERZ, J.

Polish electric industry at the 28th Poznan International Fair. p. 223.

PRZEGLAD ELEKTROTECHNICZNY. (Stowarzyszenie Elektryków Polskich) Warszawa,
Poland, Vol. 35, no. 5, May 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

KANCLIR, E.

Contribution to the gauging of electric thermoelements used for differential thermal analysis.

p. 566 (Chemicky Prumysl. Vol. 7, no. 2, Feb. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

KANCLIR, E.; DEMOVIC, R.

Use of a high temperature microscope in evaluation of kaolins.
Silikaty 6 no.3:299-310 '62.

1. Oddeleni silikatove chemie, Ceskoslovenska akademie
ved; Ustav anorganicke chemie, Slovenska akademia vied,
Bratislava.

KANCLIR, Edmund, dr., inz., C.Sc.; DEMOVIC, Rudolf, promovany geolog

Use of thermal microscope for evaluation of kaolins. Sklar
a keramik 12 no.4:100-103 Ap '62.

1. Ceskoslovenska akademie ved, Ustav anorganicke chemie Slovenskej
akademie vied, oddeleni silikatove chemie, Bratislava.

PLSKO, Eduard, inz., Sc.C.; KANCLIR, Edmund, dr., inz., Sc.C.

Evaluation of color shades of kaolins by means of trichromatic coordinates. Sklar a keramik 12 no.4:104-106 Ap '62.

1. Ceskoslovenska akademie ved, Ustav anorganicke chemie Slovenskej akademie vied, oddeleli silikatove chemie, Bratislava.

KANCLIR, E.

A furnace for the study of phase equilibrium by quenching.
Silikaty 6 no.2:203-206 '62.

1. Ceskoslovenska akademie ved, Ustav anorganicke chemie
Slovenskej akademie vied, oddeleni silikatove chemie.

PANEK, Zdenek, inz.; KANCLIR, Edmund, dr. inz. CSc.

Apparatus for volumetric determination of the density of powdered materials. Chem.-zvesti 18 no.4:299-302 '64

1. Institute of Inorganic Chemistry, Slovak Academy of Sciences, Bratislava, Dubravská cesta.

KANCLIR, E.

"Handbook of thermophysical properties of solid materials"
edited by A. Goldsmith, T.E. Waterman, H.J. Hirschhorn. Vol.3.
Reviewed by E. Kanclir. Chem. vestn. 18 no.4:308-309 '64

KANCLIR, E.

"Temperature, its measurement and control in science and industry"
edited by A.J. Dahl. Reviewed by E. Kanclir. Chem avesti 18 no.6:
636 '64.

KANCLIR, Edmund, dr., inz., C.Sc.; AMBRUZ, Vladimir, inz.

Thermal expansion of minerals in the CaO-Fe₂O₃-Al₂O₃ system.
Chem zvesti 18 no.11:864-866 '64.

1. Institute of Inorganic Chemistry, Slovak Academy of Sciences,
Bratislava, Dubravská cesta.

L 1628-65 EWP(w)/T/EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AP5024269

CZ/0043/64/000/009/0702/0704

32

AUTHOR: Kanclík, E. (Kantslirzh, E.) (Engineer, Doctor, Candidate of sciences)
(Bratislava); Amorus, V. (Engineer) (Bratislava)

B

TITLE: Thermal expansion of minerals in the CaO-Al₂O₃ sub 2 O sub 3 system

SOURCE: Chemicke zvesti, no. 9, 1964, 702-704

11

TOPIC TAGS: thermal expansion, thermochemistry, calcium oxide, aluminum oxide

Abstract [Authors' German summary, modified]: A synthetic method was used to
CaO-Al₂O₃ and 3CaO-Al₂O₃. Values of the mean coefficient of thermal
expansion were measured, and a graphic method was used to determine values
of the actual coefficient of thermal expansion. Linear expansion in per
cent was computed within the range from 20 to 1,000 degree centigrades.

Orig. art has 1 table.

ASSOCIATION: Ustav anorganickej chemie Slovenskej akademie vied, Bratislava
(Institute of Inorganic Chemistry, Slovak Academy of Sciences)

SUBMITTED: 03 May 64

ENCL: 00

SUB CODE: IC, GC

NO REF Sov: 0/X

OTHER: 003

JPRS

Card 1/1 KC

1 1604-66

ACCESSION NR: AP5024492

21B CZ/0043/64/000/011/0864/0866

AUTHOR: Kanclir, E. (Kantslirzh, E.) (Doctor, Engineer, Candidate of sciences) (Bratislava); Ambroz, V. (Engineer) (Bratislava)

TITLE: Thermal expansion coefficients of minerals in the system $\text{CaO}-\text{Fe}_2\text{O}_3-\text{Al}_2\text{O}_3$

SOURCE: Chemicke zvesti, no. 11, 1964, 864-866

TOPIC TAGS: thermal expansion, mineral, calcium oxide, iron oxide, aluminum oxide, thermochemistry

ABSTRACT: $\text{CaO} \cdot \text{Fe}_2\text{O}_3$, $2\text{CaO} \cdot \text{Fe}_2\text{O}_3$, and $4\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot \text{Fe}_2\text{O}_3$ were synthesized. The values of the mean thermal expansion coefficient were determined experimentally, a graphical determination was made of the true expansion coefficient, and its value within the limits of $20 - 1,000^\circ\text{C}$ was calculated. The first mineral has a coefficient of $13.1 \cdot 10^{-5} \text{ deg}^{-1}$, the second 11.6, and the third 9.8. Orig. art. has 1 formula, 1 table.

Card 1/2

L 1604-66

ACCESSION NR: AP5024492

ASSOCIATION: Ustav anorganickej chemie Slovenskej akademie vied, Bratislava
(Institute of Inorganic Chemistry, Slovak Academy of Sciences)

SUBMITTED: 15Jun64

INCL: 00

SUB CODE: GC, TD

WR KEP Sov: 000

OTHER: 0004

JPRS

Card 2/2 DP